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Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1172
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Nota di contenuto	Structural basis for signalling through shared common g chain cytokines -- MHC Molecules, T Cell Receptors, Natural Killer Cell Receptors, and Viral Immunoevasins–Key Elements of Adaptive and Innate Immunity -- Structures of Immune Checkpoints: An Overview on the CD28-B7 Family -- Interleukin-10 family cytokines immunobiology and structure -- Structural insights into the interleukin-17 family cytokines and their receptors -- Structural biology of NOD-like receptors -- AIM2 Inflammasome Assembly and Signaling -- Structures of RIG-I-like receptors and insights into viral RNA sensing -- Structural Insight of Gasdermin Family Driving Pyroptotic Cell Death -- NF-B, IB, and IKK: Integral Components of Immune System Signaling.
Sommario/riassunto	This book presents a comprehensive overview of important immune molecules and their structure-function relationships. The immune system is highly complex, consisting of a network of molecules, cells, tissues and organs, and the immune reaction is involved in various physiological as well as pathological processes, including development, self-tolerance, infection, immunity, and cancer. Numerous molecules participate in immune recognition, inhibition and activation, and these important immune molecules can be roughly divided into cell surface

receptors, intracellular receptors and intracellular signaling molecules. The study of how these immune molecules function at molecular level has laid the foundation for understanding the immune system. The book provides researchers and students with the latest research advances concerning the structural biology of key immune molecules/pathways, and offers immunologists essential insights into how these immune molecules function.